

STATE OF TENNESSEE DEPARTMENT OF HEALTH **ENVIRONMENTAL LABORATORIES**

TDH: Lab Services JRL Lab Services - Jackson Regional Lab Jackson, TN 38301 731-426-0686

TDH: Lab Services KRL Lab Services - Knoxville Regional Lab Knoxville, TN 37920 865-549-5201

TDH: Lab Services NCL Lab Services - Nashville Central Lab Nashville, TN 37243 615-262-6300

Sent To:

Steve Roberts

TDEC-DWS Knoxville FO

3711 Middlebrook Pike Knoxville, TN 37921

Lab ID: K00002079 **Knoxville Regional Laboratory**

Sampling Agency: TDEC: Division of Water Supply

Billing Code:

327.39-12

This is to certify that the following results were determined using good laboratory pratices and in accordance with federal or state approved methodologies.

Analytical Supervisor

K00002079001

Project Name:

Sample Description:

Finished

Sampler Project Name:

Project Site No.:

Kingston WTP

Station No.:

Date/Time Collected:

12/23/2008 13:15 Steve Mauney

Sampler's Name: County:

ROANE - 73
Drinking Water

Sample Matrix: EFO:

Drinking Wate Knoxville

Sampling Agency: Billing Code:

TDEC-DWS 327.39-12 TDEC-DWS

Send Report To: Agency Invoiced:

TDEC-DWS

Priority Date:

Date/Time Received:

12/23/2008 14:40

Received By:

E McCrary

Field Determinations

pH:

Chlorine, residual: Conductivity: Temperature: Dissolved Oxygen:

Other:

Flow:

CFS

TEST: Alkalinity, Total	METHOD: SM 2320 B						
ANALYTE	RESULT	UNITS	MDL MQL	MQL	ANALYZED BY:	DATE	
Total Alkalinity	53	mg/L	10	10	L Baker	12/30/2008	

TEST: Chloride	METHOD: SM 4500-CL B					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Chloride	17	mg/L	1	1	J Grosenbeck	12/30/2008

TEST: Fluoride	METHOD: SM 4500-F C						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Fluoride	1.3	mg/L	0.05	0.5	L Baker	12/30/2008	

TEST: Hardness, Calcium	METHOD: SM 3500-Ca D						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Calcium hardness	44	mg/L	2	2	J Grosenbeck	12/29/2008	

TEST: Nitrate and Nitrite	METHOD: EPA 353.2						
ANALYTE	RESULT UNITS MDL		MDL	MQL	ANALYZED BY:	DATE	
Nitrate and Nitrite	0.44	mg/L	0.006	0.01	M Chen	12/30/2008	

TEST: Residue, Dissolved	d METHOD: SM 2540C						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Total Dissolved Solids	106	mg/L	10	10	J Grosenbeck	12/29/2008	

K00002079001

Project Name:

Sample Description:

Finished

Sampler Project Name:

Project Site No.:

Kingston WTP

Station No.:

Date/Time Collected:

12/23/2008 13:15

Sampler's Name:

Steve Mauney **ROANE - 73**

County: Sample Matrix:

Drinking Water

EFO:

Knoxville

Sampling Agency: **Billing Code:**

TDEC-DWS 327.39-12

Send Report To: Agency Invoiced:

TDEC-DWS TDEC-DWS

Priority Date:

Date/Time Received:

12/23/2008 14:40

Received By:

E McCrary

Field Determinations :Hq

Chlorine, residual: Conductivity: Temperature: Dissolved Oxygen:

Other: Flow:

CFS

TEST: Sulfate METHOD: SM 4500-SO4 E						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Sulfate	18	mg/L	2.5	5	J Grosenbeck	12/30/2008

J - Estimated value between MDL and MQL

MDL - Method Detection Limit MQL - Method Quantitation Limit

U - Undetected

K00002079002

Project Name:

Sample Description: Raw

Sampler Project Name:

Project Site No.: Station No.:

Kingston WTP

Date/Time Collected: Sampler's Name:

12/23/2008 13:15 Steve Mauney

County: Sample Matrix:

ROANE - 73 Drinking Water

EFO:

Knoxville

Sampling Agency: **Billing Code:** Send Report To:

TDEC-DWS 327.39-12 **TDEC-DWS TDEC-DWS**

Agency Invoiced: **Priority Date:**

Date/Time Received:

12/23/2008 14:40

Received By:

E McCrary

Field Determinations

pH:

Chlorine, residual: Conductivity: Temperature: **Dissolved Oxygen:**

Other: Flow:

CFS

TEST: Alkalinity, Total METHOD: SM 2320 B						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	54	mg/L	10	10	L Baker	12/30/2008

TEST: Chloride	METHOD: SM 4500-CL B						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Chloride	8	mg/L	1	1	J Grosenbeck	12/30/2008	

TEST: Fluoride	ME.					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Fluoride	0.07J	mg/L	0.05	0.5	L Baker	12/30/2008

TEST: Hardness, Calcium METHOD: SM 3500-Ca D						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	44	mg/L	2	2	J Grosenbeck	12/29/2008

TEST: Nitrate and Nitrite	rite METHOD: EPA 353.2					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Nitrate and Nitrite	0.41	mg/L	0.006	0.01	M Chen	12/30/2008

TEST: Residue, Dissolved	METHOD: SM 2540C					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Dissolved Solids	91	mg/L	10	10	J Grosenbeck	12/29/2008

K00002079002

Project Name:

Sample Description:

Raw

Sampler Project Name:

Project Site No.:

Kingston WTP

Station No.:

Date/Time Collected:

12/23/2008 13:15

Sampler's Name: County:

Steve Mauney **ROANE - 73**

Sample Matrix:

Drinking Water

EFO:

Sampling Agency:

Knoxville **TDEC-DWS**

Billing Code: Send Report To: 327.39-12 **TDEC-DWS TDEC-DWS**

Agency Invoiced: **Priority Date:**

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12/23/2008 14:40

Received By:

E McCrary

TEST: Sulfate	METHOD: SM 4500-SO4 E						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Sulfate	16	mg/L	2.5	5	J Grosenbeck	12/30/2008	

Field Determinations

Chlorine, residual:

Dissolved Oxygen:

CFS

Conductivity:

Temperature:

pH:

Other:

Flow:

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit U - Undetected